

SUBSTITUTE SPECIFICATION
FOR NATIONAL PHASE SUBMISSION

CLEAN VERSION

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ABSTRACT

[0068] For monitoring of a measuring device (1), located in a wheeled vehicle, the measuring device (1) is configured so as to measure three linear accelerations (in unit 3) of the wheeled vehicle, which extend perpendicular to each other, respectively, as well as three rotational speeds (in unit 4) and one respective rotational movement or a component of a rotational movement about an axis of the wheeled vehicle, the three axes running perpendicular to each other, respectively. At least components of an orientation of the wheeled vehicle in a vehicle-external coordinate system are determined (in unit 7) from the three rotational speeds, and at least one of the measured linear accelerations is monitored (in unit 9) using at least the components of the orientation and a comparative variable (from unit 8).